



# DEPARTMENT OF CHEMICAL ENGINEERING

Chemical Engineering has been taught at McGill University since 1908. The first doctorate was awarded in 1935 and the program has subsequently grown to accommodate approximately 120 full-time PhD and MEng candidates and postdoctoral researchers. Alumni occupy many key positions in industry, academia and government in Canada and throughout the world. The Department of Chemical Engineering offers advanced graduate courses that emphasize important core fundamentals, such as heat and mass transfer, fluid mechanics, computational methods and thermodynamics and more specialized courses in energy, bioengineering, environmental sciences and materials sciences. Chemical Engineering graduate students are guaranteed minimum funding of \$16,500/year (MEng Thesis) and \$19,000/year (PhD).

## Program Information

### Master of Engineering (MEng Thesis)

- **Admission requirements:** Recognized undergraduate degree in a related discipline, with a 3.0/4.0 cumulative grade point average or a 3.2/4.0 grade point average over the last two years of study. Students need to obtain a formal commitment from an academic staff member to supervise their Thesis. Prior to applying, prospective applicants are encouraged to contact professors with whom they share research interests.
- **Program length:** Full-time for 16-24 months (45 credits), which includes graduate coursework (12 credits), a research proposal (6 credits), a research thesis (25 credits) and safety courses (2 credits).

### Master of Engineering (MEng Non-Thesis)

The Master of Engineering Non-Thesis program offers both general and environmental options.

- **Admission requirements:** Recognized undergraduate degree in a related discipline, with a 3.0/4.0 cumulative grade point average or a 3.2/4.0 grade point average over the last two years of study.
- **Program length:** Full-time for 16-24 months (45 credits), which includes graduate coursework (33-39 credits), a research project (6-12 credits) and research work with a Professor (6-12 credits).

### Doctor of Philosophy (PhD)

- **Admission requirements:** Recognized Master's degree in a related discipline, with a 3.0/4.0 cumulative grade point average or a 3.2/4.0 grade point average over the last two years of study. Possibility of direct entry with a Bachelor's degree for exception candidates.
- **Program length:** Full-time for approximately 3-4 years. Students must complete a Research Proposal, Research Seminar and Doctoral Thesis and Defence.

## Admission Deadline

- For fall or summer entry, January 15 for both domestic and international students.
- For winter entry, September 1 for international students and October 15 for domestic students.

## Research Areas

- Advanced Materials
- Biomedical
- Biotechnology
- Energy
- Environmental Engineering
- Plasma Engineering
- Polymers

**Note:** Applicants whose mother tongue is not English may be required to submit proof of competency in oral and written English (i.e. TOEFL or IELTS).

## Contact

**Graduate Program Coordinator**  
Department of Chemical Engineering

**Email:** gradinfo.chemeng@mcgill.ca  
**Tel:** (+1) 514-398-3483



**McGill**

Faculty of  
Engineering

[www.mcgill.ca/chemeng](http://www.mcgill.ca/chemeng)

